

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 September 2001 (20.09.2001)

PCT

(10) International Publication Number  
**WO 01/68143 A3**

- (51) International Patent Classification<sup>7</sup>: **A61K 47/48**
- (21) International Application Number: **PCT/US01/07843**
- (22) International Filing Date: **12 March 2001 (12.03.2001)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:  
60/188,557 10 March 2000 (10.03.2000) US  
09/802,376 9 March 2001 (09.03.2001) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:  
US 09/802,376 (CIP)  
Filed on 9 March 2001 (09.03.2001)
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**TUCK, Stephen** [GB/US]; 1742 Woodhaven Way, Oakland, CA 94611 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- (88) Date of publication of the international search report:  
16 May 2002
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



**WO 01/68143 A3**

(54) Title: **IMMUNOMODULATORY FORMULATIONS AND METHODS FOR USE THEREOF**

(57) Abstract: The invention provides new compositions and methods for immunomodulation of individuals. Immunomodulation is accomplished by administration of immunomodulatory polynucleotide/microcarrier (IMP/MC) complexes. The IMP/MC complexes may be covalently or non-covalently bound, and feature a polynucleotide comprising at least one immunostimulatory sequence bound to a nonbiodegradable microcarrier or nanocarrier.

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/US 01/07843

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K47/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 01 68144 A (DYNAVAX TECHNOLOGIES CORP ;NEST GARY VAN (US); TUCK STEPHEN (US)) 20 September 2001 (2001-09-20) abstract; claims	1-66
E	WO 01 68077 A (DYNAVAX TECHNOLOGIES CORP ;NEST GARY VAN (US)) 20 September 2001 (2001-09-20) page 26, line 11 -page 29, line 10; claims	1-66
E	WO 01 68116 A (DYNAVAX TECHNOLOGIES CORP ;NEST GARY VAN (US)) 20 September 2001 (2001-09-20) page 21, line 11 -page 22, line 33; claims	1-66
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*Y\* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*8\* document member of the same patent family

Date of the actual completion of the international search

23 January 2002

Date of mailing of the international search report

11/02/2002

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Internatic. Application No  
PCT/US 01/07843

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>ROMAN, MARK ET AL: "Immunostimulatory DNA sequences function as T helper-1-promoting adjuvant"</p> <p>NAT. MED. (N. Y.) (1997), 3(8), 849-854 , XP002188113</p> <p>cited in the application</p> <p>page 850, column 2, paragraph 2</p> <p>abstract</p>	1-66
P,Y	<p>WO 00 16804 A (DYNAVAX TECHNOLOGIES CORP ;DINA DINO (US))</p> <p>30 March 2000 (2000-03-30)</p> <p>page 23, line 1 - line 7; claims</p> <p>page 26, line 12 - line 31</p>	1-66
E	<p>WO 01 68103 A (DYNAVAX TECHNOLOGIES CORP ;NEST GARY VAN (US))</p> <p>20 September 2001 (2001-09-20)</p> <p>page 25, line 8 -page 27, line 31; claims</p>	1-66
E	<p>WO 01 76642 A (TAKABAYASHI KENJI ;NGUYEN MINH DUC (US); RAZ EYAL (US); UNIV CALIF)</p> <p>18 October 2001 (2001-10-18)</p> <p>claims 1,11,13</p>	1-71

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/07843

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0168144	A	20-09-2001	WO 0168144 A2	20-09-2001
WO 0168077	A	20-09-2001	WO 0168077 A2	20-09-2001
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